

Chapter 6 quiz, November 11, 2011. Not to be graded. 10 minutes.

Suppose we have one random sample,  $X$ , from the distribution  $\text{Binom}(n, r)$ , where  $r$  is unknown.

1. Find the MLE of  $r$ .
2. Is the estimator unbiased? Why?
3. What is the standard error of this estimator? If the standard error involves unknown quantities, give an estimator for the standard error.